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plication No.	Applicant(s)	
955,126	LEE ET AL.	
aminer	Art Unit	
chael Komakov	1746	

Notice of Allowability

— The MALING DATE of this communication appears on the cover sheet with the correspondence address-All claims being slowlesh PROSECUTION ON THE MERTINS (OR REMANS) (C.OSED) in this application. If not include neewth for previously maked, a fedore of Allowance (PTCL-45) or other appropriate communication with be malled in due course. THIS of the Communication with be malled in due course. THIS of the Office or young relief to high period previously and the Communication with be malled in due course. THIS of the Office or young relief to high the global prediction by the application, See as C PTCH 133 and MPSP 130s.

- 1. This communication is responsive to 03/17/2004.
- The allowed claim(s) is/are 1-18,20-29 and 31-42.
- 3. The drawings filed on 19 September 2001 are accepted by the Examiner.
- Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) □ All b) □ Some* c) □ None of the:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. ___
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____
- Applicant has THREE MONTH'S FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONNENT of this application.
 THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.
- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 1) ☐ bereto or 21 ☐ to Paner No (Mail Date)
 - (b) Including changes required by the attached Examiner's Amendment / Comment or in the Office action of Pager No Mail Date
 - Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examinor's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 02/11/2004
- Paper No./Mail Date 02/11/2004

 4. Examiner's Comment Regarding Requirement for Deposit
- Notice of Informal Patent Application (PTO-152)
 Interview Summary (PTO-413)
- Paper No./Mall Date ______ 7. ⊠ Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. 🗌 Other _____.

of Biological Material

EXAMINER'S COMMENTS/REASONS FOR ALLOWANCE

Response to Applicants' amendments and Declaration under 37 C.F.R. 1.132.

In the Amendment, dated 03/17/29, Applicants introduced the limitation to claims
 and 29, which recites the concentration of HF solution in the range between about
 0.034 and 0.077wt%. Applicants also cancelled claims 19 and 30. On March 5, 2004
 Applicants submitted the declaration under 37 C.F.R. 1.132, showing the unexpected
 results obtained by the presently claimed cleaning method utilizing a solution with HF
 concentration in the range between about 0.034 to about 0.077 wt%. Specifically, it is
 shown that by applying a cleaning solution of HF in specified range of concentrations
 resistance of a contact region of semiconductor device is reduced without causing a
 reduction in breakdown voltage between the contact region and a conductive layer
 adjacent to the contact region. On 05/27/2004 Applicants submitted supplemental
 amendment to claims 1.8.18.29, which fully commensurate in scope with the
 Declaration.

Reasons for Allowance

The Declaration under 37 CFR 1.132 together with amendments to claims are
considered sufficient to overcome the rejections of claims 1-17 under 35 U.S.C. 103(a)
as being unpatentable over Fukazawa et al (U.S. 5,868,855) and claims 18,20-29,31-42
as being unpatentable over Fukazawa et al (U.S. 5,868,855) in view of JP07-037851.

Application/Control Number: 09/955,126

No other prior art that anticipates or suggests fairly the limitations of the instant claims has been located as of the date of this office action. Therefore, claims 1-18,20-29,31-42 are allowed over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Komakov whose telephone number is (571) 272-1303. The examiner can normally be reached on 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PaiR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (foll-free). Art Unit: 1746

M. KORNARON

Michael Kornakov Examiner Art Unit 1746

05/28/2004